

10547840

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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 02 LMEDLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/Capplus enhanced with utility model patents from China
NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/Capplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 BEILSTEIN updated with new compounds
NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 13 AUG 13 CA/Capplus enhanced with additional kind codes for granted patents
NEWS 14 AUG 20 CA/Capplus enhanced with CAS indexing in pre-1907 records
NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16 AUG 27 USPATOLD now available on STN
NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19 SEP 13 FORIS renamed to SOFIS
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 21 SEP 17 CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS 22 SEP 17 CAplus coverage extended to include traditional medicine patents

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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FILE 'HOME' ENTERED AT 20:40:44 ON 19 SEP 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 20:40:50 ON 19 SEP 2007

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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 20:43:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 489 TO ITERATE

100.0% PROCESSED 489 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 8454 TO 11106

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

Updated Search

10547840

FULL SEARCH INITIATED 20:43:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9762 TO ITERATE

100.0% PROCESSED 9762 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
173.45	173.66

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 20:43:18 ON 19 SEP 2007
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13
L4 1 L3

=> d 14, ibib abs hitstr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:756694 HCAPLUS
DOCUMENT NUMBER: 141:277496
TITLE: Process for the preparation of substituted nicotinic acid esters
INVENTOR(S): Jackson, David Anthony; Bowden, Martin Charles
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004078729	A1	20040916	WO 2004-EP2291	20040305

Updated Search

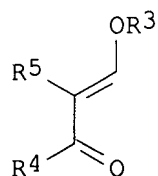
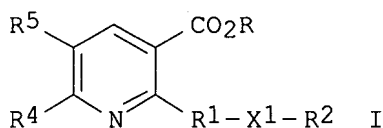
10547840

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI

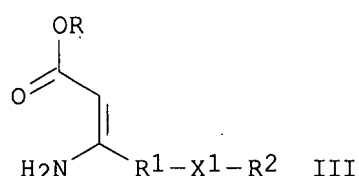
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004218241	A1	20040916	AU 2004-218241	20040305
EP 1601653	A1	20051207	EP 2004-717574	20040305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1753872	A	20060329	CN 2004-80004908	20040305
BR 2004008160	A	20060411	BR 2004-8160	20040305
JP 2006519803	T	20060831	JP 2006-504564	20040305
US 2006199964	A1	20060907	US 2005-547840	20050906
IN 2005CN02175	A	20070831	IN 2005-CN2175	20050906
PRIORITY APPLN. INFO.:			CH 2003-373	A 20030307
			WO 2004-EP2291	W 20040305

OTHER SOURCE(S): MARPAT 141:277496
GI



II



III

AB A process for the preparation of substituted nicotinic acid esters I [R = alkyl; R1 = (un)substituted alkylene, alkenylene; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4 = haloalkyl; R5 = hydroxy, cycloalkyloxy, (alkoxy)alkoxy, etc.; X = O, OCO, CO2, etc.], which process comprises reacting a compound of formula II [R3 = (cyclo)alkyl, R4 and R4 are defined as above] with a compound of formula III (R, R1, R2 and X are defined as above) in an inert solvent in the presence of a proton source, is disclosed. For example, reaction of Et 3-oxo-4-methoxyethoxybutanoate with 1-ethoxy-3-oxo-4,4,4-trifluorobutene gave 2-methoxyethoxymethyl-3-ethoxycarbonyl-6-trifluoromethylpyridine in 62% yield. Thus, the present invention provides a novel process producing the title compound at reasonable cost, in good yield and with good quality.

IT 757218-50-1P

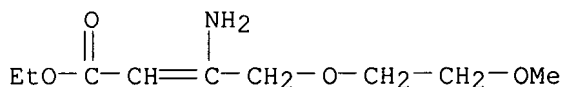
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of nicotinic acid esters)

RN 757218-50-1 HCAPLUS

CN 2-Butenoic acid, 3-amino-4-(2-methoxyethoxy)-, ethyl ester (9CI) (CA INDEX NAME)

Updated Search

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REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.87	181.53

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.78	-0.78

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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 20:40:44 ON 19 SEP 2007)

FILE 'REGISTRY' ENTERED AT 20:40:50 ON 19 SEP 2007

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 1 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 20:43:18 ON 19 SEP 2007

L4 1 S L3

FILE 'CAOLD' ENTERED AT 20:43:42 ON 19 SEP 2007

=> s l3
L5 0 L3

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

Updated Search

10547840

FULL ESTIMATED COST	0.45	181.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'HCAPLUS' ENTERED AT 20:43:50 ON 19 SEP 2007
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s jackson, d?/au and bowden, m?/au
2880 JACKSON, D?/AU
337 BOWDEN, M?/AU
L6 4 JACKSON, D?/AU AND BOWDEN, M?/AU

=> d l6, ibib abs hitstr, 1-4

L6 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1196196 HCAPLUS
DOCUMENT NUMBER: 143:459878
TITLE: Multi-step process for the production of cyclic diketones
INVENTOR(S): Jackson, David Anthony; Edmunds, Andrew; Bowden, Martin Charles; Brockbank, Ben
PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.; Syngenta Limited
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005105745	A1	20051110	WO 2005-EP4681	20050429
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,			

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NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG
AU 2005238195 A1 20051110 AU 2005-238195 20050429
EP 1756059 A1 20070228 EP 2005-741812 20050429
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
CN 1950339 A 20070418 CN 2005-80013706 20050429
IN 2006CN04011 A 20070810 IN 2006-CN4011 20061101
PRIORITY APPLN. INFO.: CH 2004-765 A 20040430
WO 2005-EP4681 W 20050429
OTHER SOURCE(S): MARPAT 143:459878
AB A multi-step process for the preparation of cyclic diketones [e.g.,
4-(4-chlorophenylcarbonyloxy)bicyclo[3.2.1]oct-3-en-2-one] is presented.
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1196142 HCAPLUS
DOCUMENT NUMBER: 143:459877
TITLE: Process for the production of cyclic diketones
INVENTOR(S): Jackson, David Anthony; Edmunds, Andrew;
Bowden, Martin Charles; Brockbank, Ben
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta
Limited
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005105718	A2	20051110	WO 2005-EP4680	20050429
WO 2005105718	A3	20060504		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2005238194	A1	20051110	AU 2005-238194	20050429
CA 2562152	A1	20051110	CA 2005-2562152	20050429
EP 1740524	A2	20070110	EP 2005-738471	20050429
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1950319	A	20070418	CN 2005-80013809	20050429

Updated Search

10547840

MX 2006PA12161 A 20070117 MX 2006-PA12161 20061020
KR 2007008671 A 20070117 KR 2006-722687 20061030
IN 2006CN04021 A 20070810 IN 2006-CN4021 20061101
PRIORITY APPLN. INFO.: CH 2004-766 A 20040430
WO 2005-EP4680 W 20050429

OTHER SOURCE(S): CASREACT 143:459877; MARPAT 143:459877

AB A process for the preparation of cyclic diketones [e.g., 4-(4-chlorophenylcarbonyloxy)bicyclo[3.2.1]oct-3-en-2-one] is presented.

L6 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1195899 HCAPLUS

DOCUMENT NUMBER: 143:459792

TITLE: Bromination and oxidative debromination process for the preparation of cyclic diketones from cycloalkenes

INVENTOR(S): Jackson, David Anthony; Edmunds, Andrew;

Bowden, Martin Charles; Brockbank, Ben

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta Limited

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005105717	A1	20051110	WO 2005-EP4655	20050429
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: CH 2004-764 A 20040430

OTHER SOURCE(S): CASREACT 143:459792; MARPAT 143:459792

AB A bromination and oxidative debromination process for the preparation of cyclic diketones (e.g., bicyclo[3.2.1]octane-2,4-dione) from cycloalkenes (e.g., bicyclo[3.2.1]oct-2-ene), in which bromination of a cycloalkene followed by treatment of the brominated intermediate (e.g., 2,4,4-tribromobicyclo[3.2.1]oct-2-ene) with an aqueous solution of an acid or a base, is presented.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:756694 HCAPLUS

DOCUMENT NUMBER: 141:277496

TITLE: Process for the preparation of substituted nicotinic acid esters

INVENTOR(S): Jackson, David Anthony; Bowden, Martin Charles

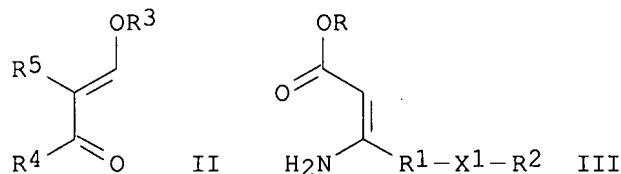
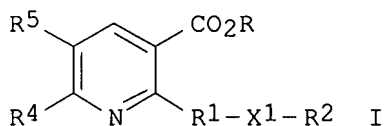
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

Updated Search

10547840

SOURCE: PCT Int. Appl., 98 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078729	A1	20040916	WO 2004-EP2291	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004218241	A1	20040916	AU 2004-218241	20040305
EP 1601653	A1	20051207	EP 2004-717574	20040305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1753872	A	20060329	CN 2004-80004908	20040305
BR 2004008160	A	20060411	BR 2004-8160	20040305
JP 2006519803	T	20060831	JP 2006-504564	20040305
US 2006199964	A1	20060907	US 2005-547840	20050906
IN 2005CN02175	A	20070831	IN 2005-CN2175	20050906
PRIORITY APPLN. INFO.:			CH 2003-373	A 20030307
			WO 2004-EP2291	W 20040305
OTHER SOURCE(S):			MARPAT 141:277496	
GI				

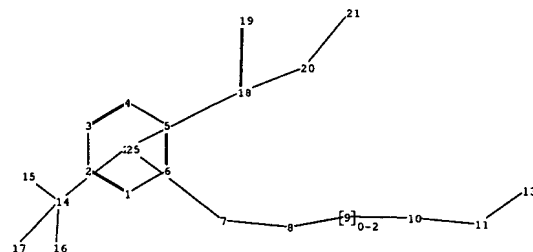
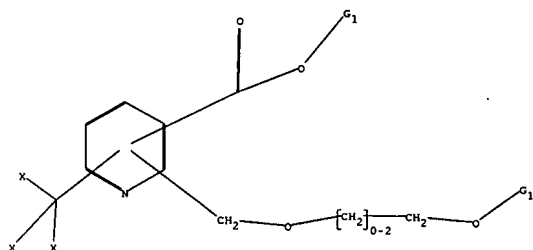


AB A process for the preparation of substituted nicotinic acid esters I [R = alkyl; R1 = (un)substituted alkylene, alkenylene; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4 = haloalkyl; R5 = hydroxy, cycloalkyloxy, (alkoxy)alkoxy, etc.; X = O, OCO, CO2, etc.], which process comprises reacting a compound of formula II [R3 = (cyclo)alkyl, R4 and R4 are defined as above] with a compound of formula III (R, R1, R2 and X are defined as above) in an inert solvent in the presence of a proton source, is disclosed. For example, reaction of Et 3-oxo-4-methoxyethoxybutanoate with 1-ethoxy-3-oxo-4,4,4-trifluorobutene gave 2-methoxyethoxymethyl-3-

10547840

ethoxycarbonyl-6-trifluoromethylpyridine in 62% yield. Thus, the present invention provides a novel process producing the title compound at reasonable cost, in good yield and with good quality.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



chain nodes :

7 8 9 10 11 13 14 15 16 17 18 19 20 21

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 8-9 9-10 10-11 11-13 14-17 14-15 14-16 18-19 18-20 20-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

11-13 18-19 18-20 20-21

exact bonds :

7-8 8-9 9-10 10-11 14-17 14-15 14-16

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

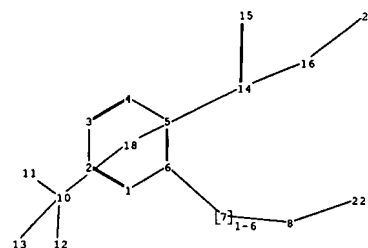
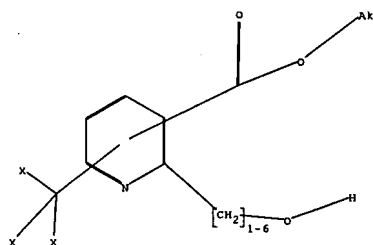
isolated ring systems :

containing 1 :

G1:CH3,Et

Match level :

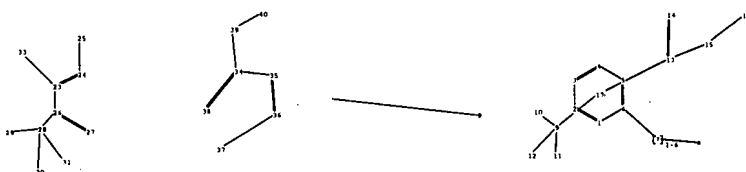
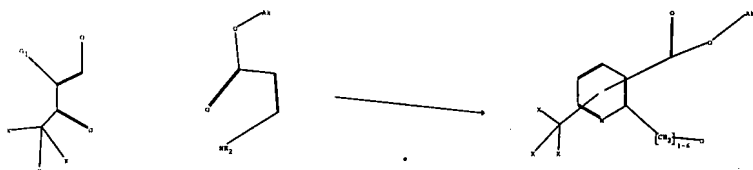
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10:CLASS 11:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 23:Atom 24:Atom 25:Atom



chain nodes :
 7 8 10 11 12 13 14 15 16 20 22
 ring nodes :
 1 2 3 4 5 6
 chain bonds :
 6-7 7-8 8-22 10-13 10-11 10-12 14-15 14-16 16-20
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 14-15 14-16 16-20
 exact bonds :
 6-7 7-8 8-22 10-13 10-11 10-12
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 isolated ring systems :
 containing 1 :

G1:CH3,Et

Connectivity :
 20:1 E exact RC ring/chain
 Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom
 18:Atom 20:CLASS 22:CLASS



```

chain nodes :
  7  8  9  10  11  12  13  14  15  19  23  24  25  26  27  28  29  30  31  33
  34  35  36  37  38  39  40
ring nodes :
  1  2  3  4  5  6
chain bonds :
  6-7  7-8  9-12  9-10  9-11  13-14  13-15  15-19  23-24  23-26  23-33  24-25
  26-27  26-28  28-29  28-30  28-31  34-35  34-38  34-39  35-36  36-37  39-40
ring bonds :
  1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
  13-14  13-15  15-19  23-33  24-25  26-27  34-38  34-39  36-37  39-40
exact bonds :
  6-7  7-8  9-12  9-10  9-11  23-24  23-26  26-28  28-29  28-30  28-31  34-35
  35-36
normalized bonds :
  1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
  containing 1 :

```

G1: Cy, Ak

Connectivity :

19:1 E exact RC ring/chain

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:Atom
17:Atom 19:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
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36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS

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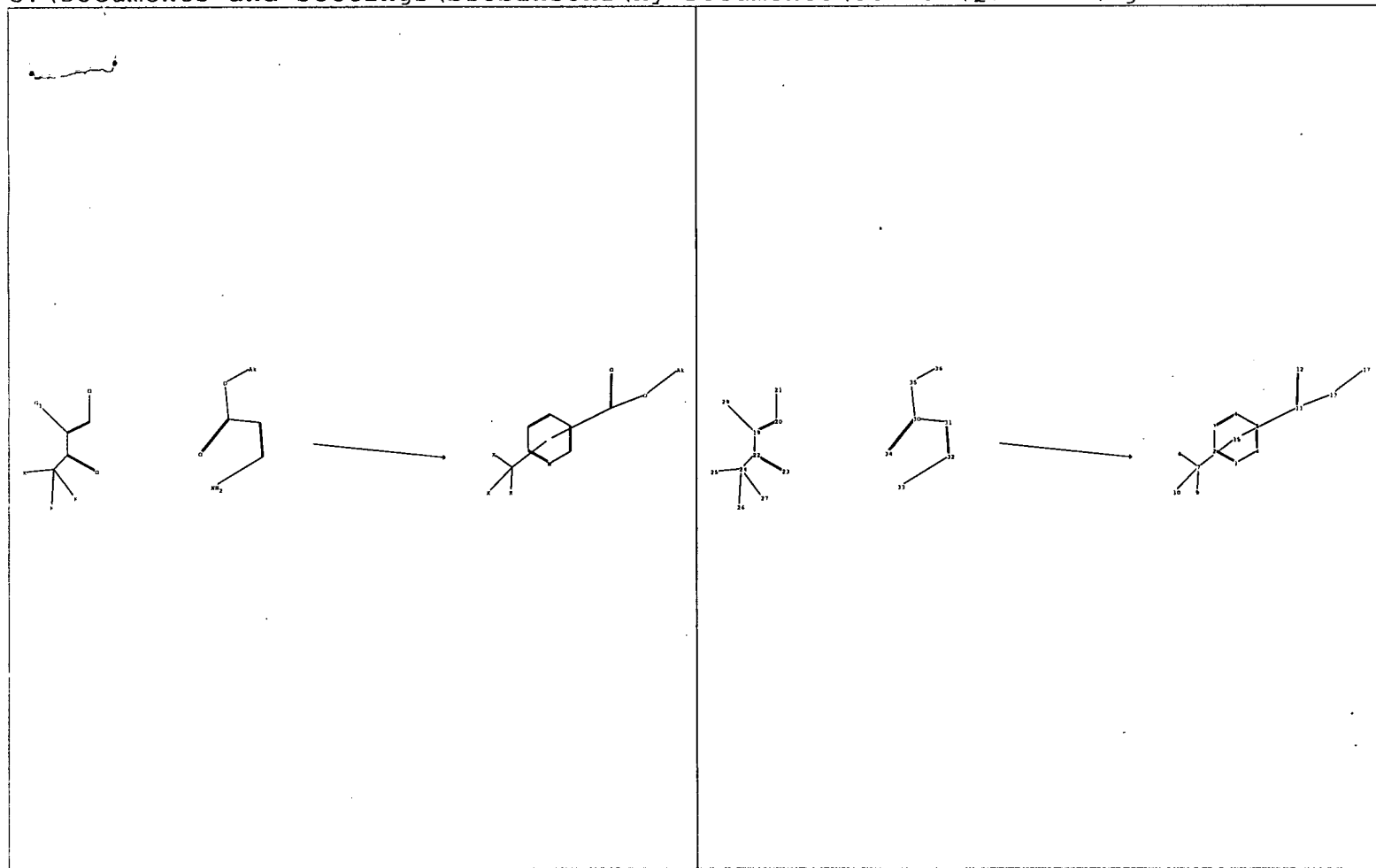
fragments assigned reactant role:

containing 23

containing 34

fragments assigned product role:

containing 1.



```

chain nodes :
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  32  33  34  35  36
ring nodes :
  1  2  3  4  5  6
chain bonds :
  7-10  7-8  7-9  11-12  11-13  13-17  19-20  19-22  19-29  20-21  22-23
  22-24  24-25  24-26  24-27  30-31  30-34  30-35  31-32  32-33  35-36
ring bonds :
  1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
  11-12  11-13  13-17  19-29  20-21  22-23  30-34  30-35  32-33  35-36
exact bonds :
  7-10  7-8  7-9  19-20  19-22  22-24  24-25  24-26  24-27  30-31  31-32
normalized bonds :
  1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
  containing 1 :

```

G1: Cy, Ak

Connectivity :

17:1 E exact RC ring/chain

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 17:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
26:CLASS 27:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS
34:CLASS 35:CLASS 36:CLASS

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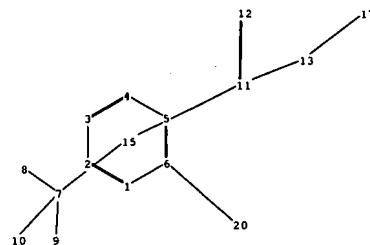
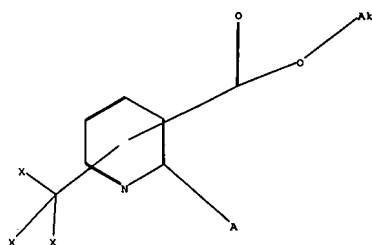
fragments assigned reactant role:

containing 19

containing 30

fragments assigned product role:

containing 1.



```

chain nodes :
  7  8  9 10 11 12 13 17 20
ring nodes :
  1  2  3  4  5  6
chain bonds :
  6-20 7-10 7-8 7-9 11-12 11-13 13-17
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
  6-20 11-12 11-13 13-17
exact bonds :
  7-10 7-8 7-9
normalized bonds :
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isolated ring systems :
  containing 1 :

```

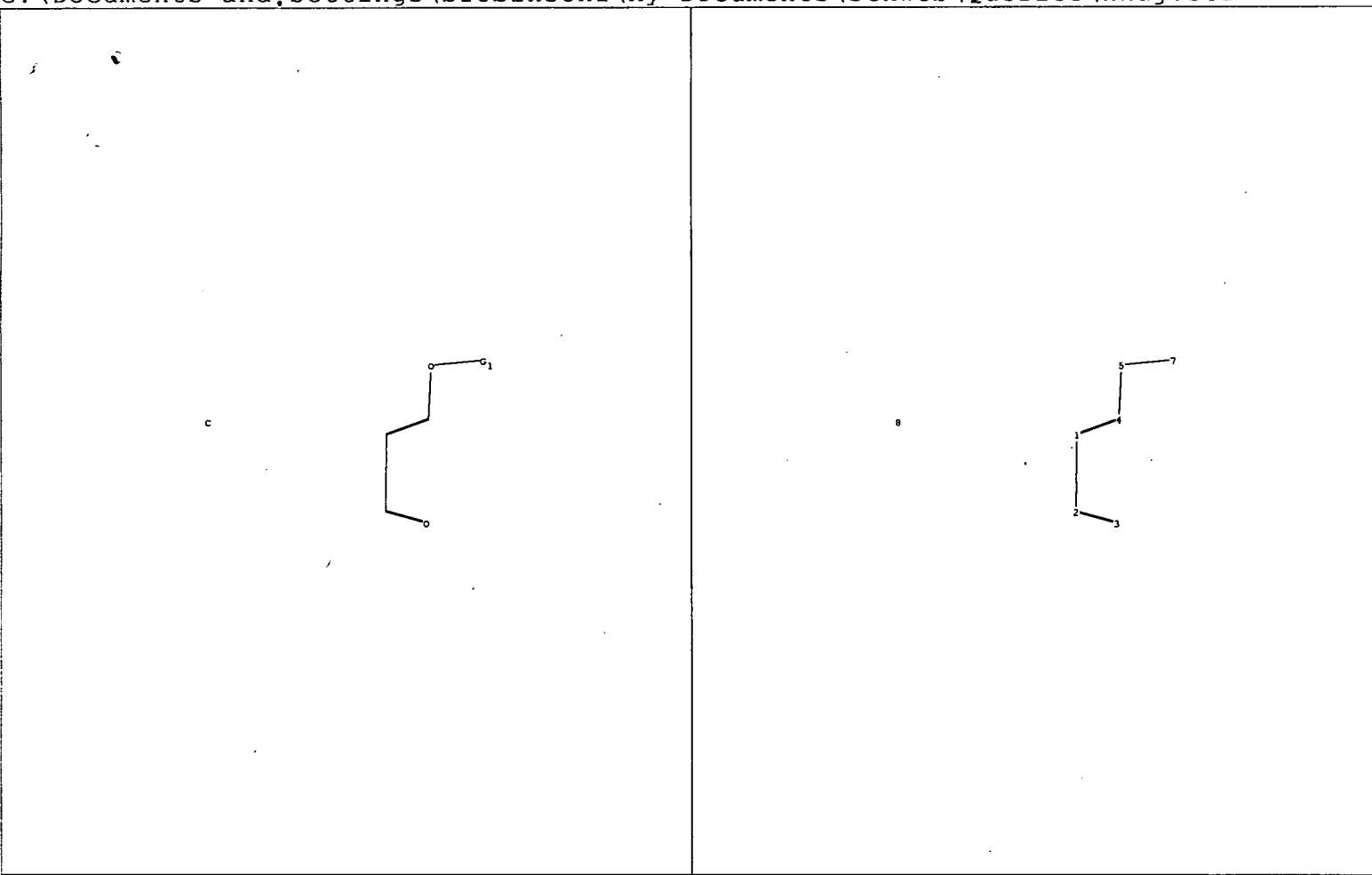
G1: Cy, Ak

Connectivity :

17:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 17:CLASS
 20:CLASS



chain nodes :
 1 2 3 4 5 7 8
 chain bonds :
 1-2 1-4 2-3 4-5 5-7
 exact/norm bonds :
 2-3 4-5 5-7
 exact bonds :
 1-2 1-4

G1: Cy, Ak

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS 8:CLASS

1 2 3 4 5 7 8 9 10 11

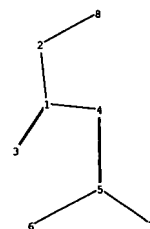
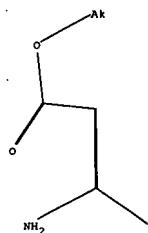
1-2 1-4 2-3 2-8 4-5 5-7 8-9 8-10 8-11

2-3 4-5 5-7

1-2 1-4 2-8 8-9 8-10 8-11

Match level :

```
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS 11:CLASS
```



chain nodes :
 1 2 3 4 5 6 7 8
 chain bonds :
 1-2 1-3 1-4 2-8 4-5 5-6 5-7
 exact/norm bonds :
 1-2 1-3 2-8 5-6
 exact bonds :
 1-4 4-5 5-7

Connectivity :
 8:1 E exact RC ring/chain
 Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS

10547840

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LOGINID:sssptal612bxr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2 JUL 02 LMEDLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/Capplus enhanced with utility model patents from China
NEWS 6 JUL 16 Capplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/Capplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 BEILSTEIN updated with new compounds
NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 13 AUG 13 CA/Capplus enhanced with additional kind codes for granted patents
NEWS 14 AUG 20 CA/Capplus enhanced with CAS indexing in pre-1907 records
NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16 AUG 27 USPATOLD now available on STN
NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19 SEP 13 FORIS renamed to SOFIS
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 21 SEP 17 CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS 22 SEP 17 Capplus coverage extended to include traditional medicine patents

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 19:34:07 ON 19 SEP 2007

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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\wrwerewg.str

L1 STRUCTURE UPLOADED

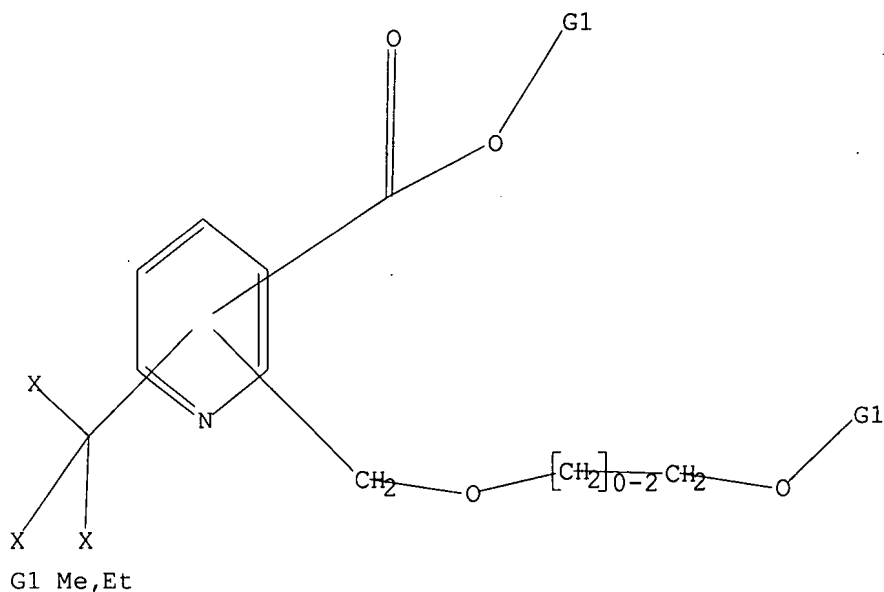
=> d l1

L1 HAS NO ANSWERS

L1 STR

Updated Search

10547840



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 19:38:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 309 TO ITERATE

100.0% PROCESSED 309 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5126 TO 7234
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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FULL SCREEN SEARCH COMPLETED - 5749 TO ITERATE

100.0% PROCESSED 5749 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
174.80	175.01

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 19:38:17 ON 19 SEP 2007
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 2 L3

=> d 14, ibib abs hitstr, 1-2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:756694 HCAPLUS

DOCUMENT NUMBER: 141:277496

TITLE: Process for the preparation of substituted nicotinic acid esters

INVENTOR(S): Jackson, David Anthony; Bowden, Martin Charles

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

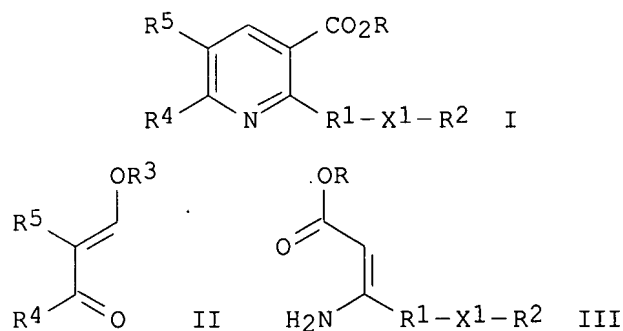
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004078729	A1	20040916	WO 2004-EP2291	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004218241	A1	20040916	AU 2004-218241	20040305
EP 1601653	A1	20051207	EP 2004-717574	20040305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1753872	A	20060329	CN 2004-80004908	20040305
BR 2004008160	A	20060411	BR 2004-8160	20040305
JP 2006519803	T	20060831	JP 2006-504564	20040305

Updated Search

10547840

US 2006199964	A1	20060907	US 2005-547840	20050906
IN 2005CN02175	A	20070831	IN 2005-CN2175	20050906
PRIORITY APPLN. INFO.:			CH 2003-373	A 20030307
			WO 2004-EP2291	W 20040305

OTHER SOURCE(S): MARPAT 141:277496
GI



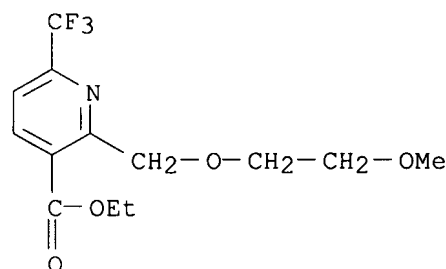
AB A process for the preparation of substituted nicotinic acid esters I [R = alkyl; R¹ = (un)substituted alkylene, alkenylene; R² = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R⁴ = haloalkyl; R⁵ = hydroxy, cycloalkyloxy, (alkoxy)alkoxy, etc.; X = O, OCO, CO₂, etc.], which process comprises reacting a compound of formula II [R³ = (cyclo)alkyl, R⁴ and R⁴ are defined as above] with a compound of formula III (R, R¹, R² and X are defined as above) in an inert solvent in the presence of a proton source, is disclosed. For example, reaction of Et 3-oxo-4-methoxyethoxybutanoate with 1-ethoxy-3-oxo-4,4,4-trifluorobutene gave 2-methoxyethoxymethyl-3-ethoxycarbonyl-6-trifluoromethylpyridine in 62% yield. Thus, the present invention provides a novel process producing the title compound at reasonable cost, in good yield and with good quality.

IT 757218-51-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of nicotinic acid esters)

RN 757218-51-2 HCAPLUS

CN 3-Pyridinecarboxylic acid, 2-[(2-methoxyethoxy)methyl]-6-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT:

6

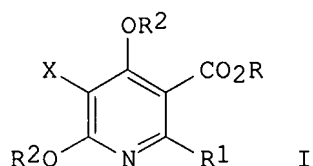
THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Updated Search

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1986:497334 HCAPLUS
 DOCUMENT NUMBER: 105:97334
 TITLE: Substituted 4,6-alkoxy pyridinecarboxylate compounds
 INVENTOR(S): Lee, Len Fang
 PATENT ASSIGNEE(S): Monsanto Co., USA
 SOURCE: Eur. Pat. Appl., 49 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 181311	A2	19860514	EP 1985-870150	19851105
EP 181311	A3	19880713		
EP 181311	B1	19900829		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4609399	A	19860902	US 1984-668790	19841106
AU 8549336	A	19860529	AU 1985-49336	19851104
AU 574857	B2	19880714		
JP 61115070	A	19860602	JP 1985-247867	19851105
JP 06057697	B	19940803		
ZA 8508501	A	19860827	ZA 1985-8501	19851105
CA 1230122	A1	19871208	CA 1985-494605	19851105
AT 55990	T	19900915	AT 1985-870150	19851105
US 4741766	A	19880503	US 1986-869490	19860602
PRIORITY APPLN. INFO.:			US 1984-668790	A 19841106
			EP 1985-870150	A 19851105
OTHER SOURCE(S):			CASREACT 105:97334; MARPAT 105:97334	
GI				



AB Pyridinecarboxylates I [R = H, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl; R1 = fluorinated or chlorofluorinated Me; R2 = H, alkyl; X = H, CO2R3, CONR4R5, cyano, alkyl, haloalkyl, alkoxyalkoxyalkyl, cyanoalkyl, carbalkoxyalkyl; R3 = H, alkyl, alkenyl, alkynyl, haloalkyl; R4, R5 = H, alkyl] are prepared as herbicides or intermediates thereof. Thus, cyclocondensation of EtO2CC.tplbond.CCO2Et with CF3CN in the presence of KOCMe3 gave 95% I (R = Et, R1 = CF3, R2 = X = H), which was methylated by K2CO3-MeI to give 64.5% I (R = Et, R1 = CF3, R2 = Me, X = H). This compound was lithiated by (Me2CH)2NLi at -78°, followed by carboxylation with Dry Ice, to give 95% I (R = Et, R1 = CF3, R2 = Me, X = CO2H), which was esterified by SOCl2-MeOH to give 42% I (R = Et, R1 = CF3, R2 = Me, X = CO2Me) (II). At 1.12 kg/ha (preemergent), II gave 75-100% control of several weeds, e.g. barnyard grass, with 0-24% inhibition of wheat and rice.

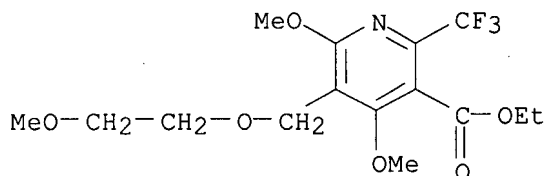
IT 103901-01-5P

10547840

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

RN 103901-01-5 HCAPLUS

CN 3-Pyridinecarboxylic acid, 4,6-dimethoxy-5-[(2-methoxyethoxy)methyl]-2-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
33.94	208.95

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-1.56	-1.56

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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(FILE 'HOME' ENTERED AT 19:34:01 ON 19 SEP 2007)

FILE 'REGISTRY' ENTERED AT 19:34:07 ON 19 SEP 2007

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 2 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 19:38:17 ON 19 SEP 2007

Updated Search

10547840

L4 2 S L3

FILE 'CAOLD' ENTERED AT 19:43:55 ON 19 SEP 2007

=> s 13

L5 0 L3

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	209.40

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.56

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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\23123e.str

L6 STRUCTURE UPLOADED

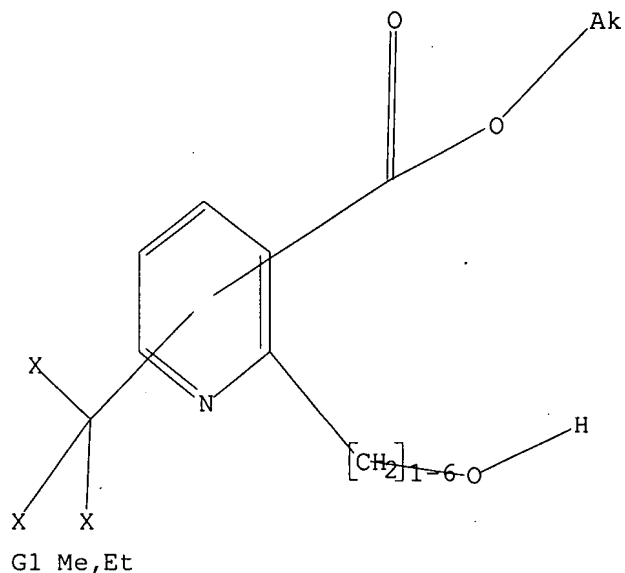
=> d 16

L6 HAS NO ANSWERS

L6 STR

Updated Search

i0547840



Structure attributes must be viewed using STN Express query preparation.

=> s 16

SAMPLE SEARCH INITIATED 19:46:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 595 TO ITERATE

100.0% PROCESSED 595 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10437 TO 13363
PROJECTED ANSWERS: 1 TO 80

L7 1 SEA SSS SAM L6

=> s 16 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:46:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 11029 TO ITERATE

100.0% PROCESSED 11029 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L8 1 SEA SSS FUL L6

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	173.45	382.85
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.56

Updated Search

10547840

FILE 'HCAPLUS' ENTERED AT 19:46:29 ON 19 SEP 2007
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

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=> s 18

L9 1 L8

=> d 19, ibib abs hitstr, 1

L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:92575 HCAPLUS

DOCUMENT NUMBER: 78:92575

TITLE: Antimalarials. 4. 4-Pyridinemethanols with styryl and benzoyl substituents

AUTHOR(S): LaMontagne, M. P.

CORPORATE SOURCE: Ash Stevens Inc., Detroit, MI, USA

SOURCE: Journal of Medicinal Chemistry (1973), 16(1), 68-72
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The most potent antimalarial of 7 styryl-substituted 4-pyridinemethanols prepared was α -[(di-n-butylamino)methyl]-2-(4-chlorostyryl)-6-(trifluoromethyl)-4-pyridinemethanol-HCl (I) [38897-97-1], which was curative against Plasmodium berghei in mice at 20 mg/kg. I was synthesized from Et 6-(trifluoromethyl)-2-picoline-4-carboxylate [38897-98-2] by oxidation to the 2-pyridylcarbinol acetate with CF₃CO₃H and Ac₂O, hydrolysis with NaOEt, oxidation to the aldehyde with SeO₂, reaction with 4-chlorophenyltriphenylphosphonium methylide [38897-99-3] to introduce the styryl group, hydrolysis of the Et ester to the isonicotinic acid, and introduction of the side chain by the method of R. E. Lutz, et al. (1946).

IT 39965-94-1P

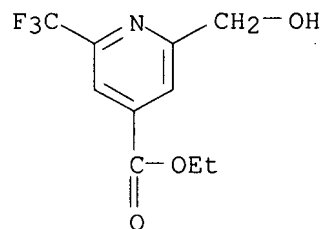
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 39965-94-1 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-(hydroxymethyl)-6-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

Updated Search

10547840



=> file casreact
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.87	390.72

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.78	-2.34

CA SUBSCRIBER PRICE

FILE 'CASREACT' ENTERED AT 19:47:22 ON 19 SEP 2007
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FILE CONTENT:1840 - 15 Sep 2007 VOL 147 ISS 13

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*
* CASREACT now has more than 12 million reactions *
*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\njikm.str

L10 STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

Updated Search

10547840

=> s 110

SAMPLE SEARCH INITIATED 19:53:11 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L11 0 SEA SSS SAM L10 (0 REACTIONS)

=> s 110 full

THE ESTIMATED SEARCH COST FOR FILE 'CASREACT' IS 113.10 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:53:15 FILE 'CASREACT'
SCREENING COMPLETE - 6 REACTIONS TO VERIFY FROM 3 DOCUMENTS

100.0% DONE 6 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L12 0 SEA SSS FUL L10 (0 REACTIONS)

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\nght.str

L13 STRUCTURE UPLOADED

=> d 113

L13 HAS NO ANSWERS
L13 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 113

SAMPLE SEARCH INITIATED 19:54:49 FILE 'CASREACT'
SCREENING COMPLETE - 13 REACTIONS TO VERIFY FROM 4 DOCUMENTS

100.0% DONE 13 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 44 TO 476
PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L13 (0 REACTIONS)

=> s 113 full

THE ESTIMATED SEARCH COST FOR FILE 'CASREACT' IS 113.10 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:54:53 FILE 'CASREACT'

Updated Search

10547840

SCREENING COMPLETE - 199 REACTIONS TO VERIFY FROM 40 DOCUMENTS

100.0% DONE 199 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L15 0 SEA SSS FUL L13 (0 REACTIONS)

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
232.50	623.22

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.34

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 19:55:58 ON 19 SEP 2007
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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1
DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\fgfg.str

L16 STRUCTURE UPLOADED

=> s 116

SAMPLE SEARCH INITIATED 19:57:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12361 TO ITERATE

16.2% PROCESSED 2000 ITERATIONS 17 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 240559 TO 253881
PROJECTED ANSWERS: 1486 TO 2716

Updated Search

10547840

L17 17 SEA SSS SAM L16

=> s l16 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:58:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 247678 TO ITERATE

100.0% PROCESSED 247678 ITERATIONS 2340 ANSWERS
SEARCH TIME: 00.00.03

L18 2340 SEA SSS FUL L16

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	173.45	796.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCAPLUS' ENTERED AT 19:58:05 ON 19 SEP 2007
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FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

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=> s l18/prep

380 L18
4463139 PREP/RL
L19 151 L18/PREP
(L18 (L) PREP/RL)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.60	799.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION

Updated Search

10547840

CA SUBSCRIBER PRICE

0.00

-2.34

FILE 'REGISTRY' ENTERED AT 19:58:11 ON 19 SEP 2007
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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1
DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\nhuj.str

L20 STRUCTURE UPLOADED

=> s 120

SAMPLE SEARCH INITIATED 20:02:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 15842 TO ITERATE

12.6% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 309302 TO 324378
PROJECTED ANSWERS: 24578 TO 28966

L21 50 SEA SSS SAM L20

=> s 120 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:02:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 317398 TO ITERATE

100.0% PROCESSED 317398 ITERATIONS 25690 ANSWERS
SEARCH TIME: 00.00.04

L22 25690 SEA SSS FUL L20

=> file hcaplus

Updated Search

10547840

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	174.80	974.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCAPLUS' ENTERED AT 20:02:22 ON 19 SEP 2007
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```
=> s 122/rct
      12478 L22
      3016177 RCT/RL
L23    6326 L22/RCT
      (L22 (L) RCT/RL)
```

=> d his

(FILE 'HOME' ENTERED AT 19:34:01 ON 19 SEP 2007)

FILE 'REGISTRY' ENTERED AT 19:34:07 ON 19 SEP 2007

```
L1      STRUCTURE UPLOADED
L2      0 S L1
L3      2 S L1 FULL
```

FILE 'HCAPLUS' ENTERED AT 19:38:17 ON 19 SEP 2007

```
L4      2 S L3
```

FILE 'CAOLD' ENTERED AT 19:43:55 ON 19 SEP 2007

```
L5      0 S L3
```

FILE 'REGISTRY' ENTERED AT 19:44:00 ON 19 SEP 2007

```
L6      STRUCTURE UPLOADED
L7      1 S L6
L8      1 S L6 FULL
```

FILE 'HCAPLUS' ENTERED AT 19:46:29 ON 19 SEP 2007

Updated Search

I0547840

L9 1 S L8

FILE 'CASREACT' ENTERED AT 19:47:22 ON 19 SEP 2007

L10 STRUCTURE UPLOADED

L11 0 S L10

L12 0 S L10 FULL

L13 STRUCTURE UPLOADED

L14 0 S L13

L15 0 S L13 FULL

FILE 'REGISTRY' ENTERED AT 19:55:58 ON 19 SEP 2007

L16 STRUCTURE UPLOADED

L17 17 S L16

L18 2340 S L16 FULL

FILE 'HCAPLUS' ENTERED AT 19:58:05 ON 19 SEP 2007

L19 151 S L18/PREP

FILE 'REGISTRY' ENTERED AT 19:58:11 ON 19 SEP 2007

L20 STRUCTURE UPLOADED

L21 50 S L20

L22 25690 S L20 FULL

FILE 'HCAPLUS' ENTERED AT 20:02:22 ON 19 SEP 2007

L23 6326 S L22/RCT

=> s l23 and l19

L24 28 L23 AND L19

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.60

976.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.34

FILE 'REGISTRY' ENTERED AT 20:02:41 ON 19 SEP 2007

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DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

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Updated Search

10547840

on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

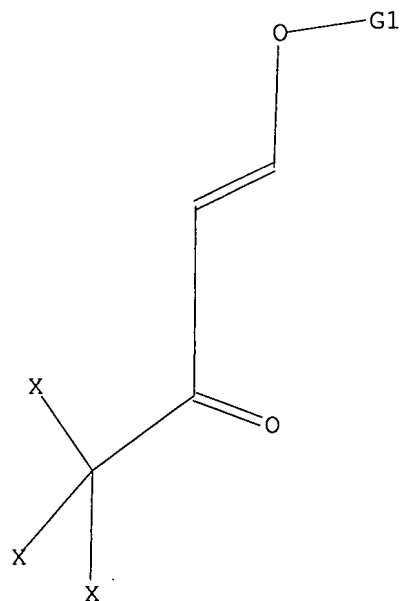
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\asdfjn.str

L25 STRUCTURE UPLOADED

=> d 125

L25 HAS NO ANSWERS

L25 STR



G1 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 125

SAMPLE SEARCH INITIATED 20:04:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 501 TO ITERATE

100.0% PROCESSED 501 ITERATIONS

31 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 8678 TO 11362

PROJECTED ANSWERS: 286 TO 954

L26 31 SEA SSS SAM L25

=> s 125 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS

Updated Search

10547840

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:04:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9346 TO ITERATE

100.0% PROCESSED 9346 ITERATIONS
SEARCH TIME: 00.00.01

449 ANSWERS

L27 449 SEA SSS FUL L25

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
173.00	1149.67

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.34

CA SUBSCRIBER PRICE

FILE 'HCAPLUS' ENTERED AT 20:04:46 ON 19 SEP 2007
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FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 127/rct
406 L27
3016177 RCT/RL
L28 340 L27/RCT
(L27 (L) RCT/RL)

=> d his

(FILE 'HOME' ENTERED AT 19:34:01 ON 19 SEP 2007)

FILE 'REGISTRY' ENTERED AT 19:34:07 ON 19 SEP 2007

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 2 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 19:38:17 ON 19 SEP 2007

L4 2 S L3

Updated Search

10547840

FILE 'CAOLD' ENTERED AT 19:43:55 ON 19 SEP 2007
L5 0 S L3

FILE 'REGISTRY' ENTERED AT 19:44:00 ON 19 SEP 2007
L6 STRUCTURE UPLOADED
L7 1 S L6
L8 1 S L6 FULL

FILE 'HCAPLUS' ENTERED AT 19:46:29 ON 19 SEP 2007
L9 1 S L8

FILE 'CASREACT' ENTERED AT 19:47:22 ON 19 SEP 2007
L10 STRUCTURE UPLOADED
L11 0 S L10
L12 0 S L10 FULL
L13 STRUCTURE UPLOADED
L14 0 S L13
L15 0 S L13 FULL

FILE 'REGISTRY' ENTERED AT 19:55:58 ON 19 SEP 2007
L16 STRUCTURE UPLOADED
L17 17 S L16
L18 2340 S L16 FULL

FILE 'HCAPLUS' ENTERED AT 19:58:05 ON 19 SEP 2007
L19 151 S L18/PREP

FILE 'REGISTRY' ENTERED AT 19:58:11 ON 19 SEP 2007
L20 STRUCTURE UPLOADED
L21 50 S L20
L22 25690 S L20 FULL

FILE 'HCAPLUS' ENTERED AT 20:02:22 ON 19 SEP 2007
L23 6326 S L22/RCT
L24 28 S L23 AND L19

FILE 'REGISTRY' ENTERED AT 20:02:41 ON 19 SEP 2007
L25 STRUCTURE UPLOADED
L26 31 S L25
L27 449 S L25 FULL

FILE 'HCAPLUS' ENTERED AT 20:04:46 ON 19 SEP 2007
L28 340 S L27/RCT

=> s 128 and 119
L29 18 L28 AND L19

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.60	1152.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'REGISTRY' ENTERED AT 20:05:13 ON 19 SEP 2007
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Updated Search

10547840

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STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1
DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\asdnb.str

L30 STRUCTURE UPLOADED

=> s 130
SAMPLE SEARCH INITIATED 20:08:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3213 TO ITERATE

62.2% PROCESSED 2000 ITERATIONS 45 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 60861 TO 67659
PROJECTED ANSWERS: 935 TO 1955

L31 45 SEA SSS SAM L30

=> s 130 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:08:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 64867 TO ITERATE

100.0% PROCESSED 64867 ITERATIONS 1357 ANSWERS
SEARCH TIME: 00.00.02

L32 1357 SEA SSS FUL L30

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FULL ESTIMATED COST

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10547840

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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3016177 RCT/RL
L33 1858 L32/RCT
(L32 (L) RCT/RL)

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L3 2 S L1 FULL

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L4 2 S L3

FILE 'CAOLD' ENTERED AT 19:43:55 ON 19 SEP 2007

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 19:44:00 ON 19 SEP 2007

L6 STRUCTURE UPLOADED
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L10 STRUCTURE UPLOADED

Updated Search

10547840

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L16 STRUCTURE UPLOADED
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L19 151 S L18/PREP

FILE 'REGISTRY' ENTERED AT 19:58:11 ON 19 SEP 2007

L20 STRUCTURE UPLOADED
L21 50 S L20
L22 25690 S L20 FULL

FILE 'HCAPLUS' ENTERED AT 20:02:22 ON 19 SEP 2007

L23 6326 S L22/RCT
L24 28 S L23 AND L19

FILE 'REGISTRY' ENTERED AT 20:02:41 ON 19 SEP 2007

L25 STRUCTURE UPLOADED
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FILE 'HCAPLUS' ENTERED AT 20:04:46 ON 19 SEP 2007

L28 340 S L27/RCT
L29 18 S L28 AND L19

FILE 'REGISTRY' ENTERED AT 20:05:13 ON 19 SEP 2007

L30 STRUCTURE UPLOADED
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FILE 'HCAPLUS' ENTERED AT 20:08:09 ON 19 SEP 2007

L33 1858 S L32/RCT

=> s 133 and 129

L34 3 L33 AND L29

=> d 134, ibib abs hitstr, 1-3

L34 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:538262 HCAPLUS

DOCUMENT NUMBER: 145:45948

TITLE: Preparation of substituted pyridines as intermediates
in the production of pharmaceutical, chemical and
agro-chemical products

INVENTOR(S): Fisher, Raymond; Lund, Andrew

PATENT ASSIGNEE(S): Peakdale Molecular Ltd., UK

SOURCE: PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

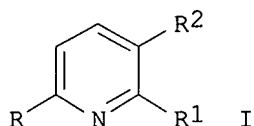
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

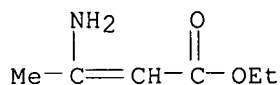
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WO 2006059103	A3	20070222		
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1824828	A2	20070829	EP 2005-813916	20051201
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PRIORITY APPLN. INFO.:			GB 2004-26576	A 20041203
			US 2004-633370P	P 20041203
			WO 2005-GB4596	W 20051201
OTHER SOURCE(S):			MARPAT 145:45948	
GI				



- AB The present invention relates to substituted pyridines I [R = fluorinated alkyl, COR₃, CO₂R₃, etc.; R₁ = NR₃R₃, hydrocarbyl optionally substituted by one or more of halo, CO₂R₄, etc.; R₂ = halo, alkyl, NO₂, etc.; or R₁ and R₂ together form (un)saturated 5-6 membered ring containing 0-3 heteroatoms which is further optionally fused to another (un)saturated 5-6 membered ring containing 0-3 heteroatoms; R₃ = H, halo, CN, etc.; R₄ = H, halo, CN, etc.] and derivs. thereof, and to a process for preparing these substituted pyridines. Synthesis of compds. I was presented in several synthetic examples. Thus, reacting (3E)-4-ethoxy-1,1,1-trifluorobut-3-en-3-one with Et 3-oxobutanoate afforded 70% I [R = CF₃; R₁ = Me; R₂ = CO₂Et]. The invention also relates to the use of the substituted pyridines as intermediates in the production of pharmaceutical, chemical and agro-chemical products.
- IT 7318-00-5, Ethyl 3-aminocrotonate 59938-06-6,
(3E)-4-Ethoxy-1,1,1-trifluorobut-3-en-2-one
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of substituted pyridines as intermediates in production of pharmaceutical, chemical and agro-chemical products)
- RN 7318-00-5 HCAPLUS
- CN 2-Butenoic acid, 3-amino-, ethyl ester (CA INDEX NAME)

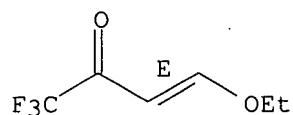
10547840



RN 59938-06-6 HCAPLUS

CN 3-Buten-2-one, 4-ethoxy-1,1,1-trifluoro-, (3E)- (CA INDEX NAME)

Double bond geometry as shown.



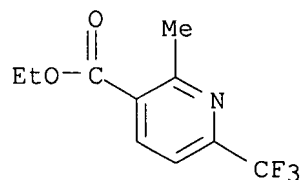
IT 380355-65-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted pyridines as intermediates in production of pharmaceutical, chemical and agro-chemical products)

RN 380355-65-7 HCAPLUS

CN 3-Pyridinecarboxylic acid, 2-methyl-6-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



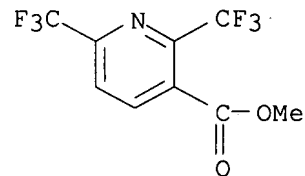
IT 137144-34-4P 280568-09-4P 636588-26-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of substituted pyridines as intermediates in production of pharmaceutical, chemical and agro-chemical products).

RN 137144-34-4 HCAPLUS

CN 3-Pyridinecarboxylic acid, 2,6-bis(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)

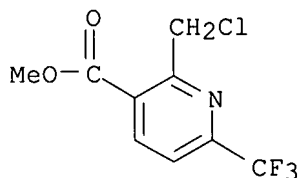


RN 280568-09-4 HCAPLUS

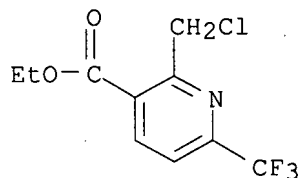
CN 3-Pyridinecarboxylic acid, 2-(chloromethyl)-6-(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)

Updated Search

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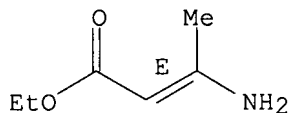


RN 636588-26-6 HCAPLUS
CN 3-Pyridinecarboxylic acid, 2-(chloromethyl)-6-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



L34 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:406839 HCAPLUS
Correction of: 2005:155216
DOCUMENT NUMBER: 143:248209
Correction of: 142:197768
TITLE: Product class 1: pyridines
AUTHOR(S): Spitzner, D.
CORPORATE SOURCE: Germany
SOURCE: Science of Synthesis (2005), 15, 11-284
CODEN: SSCYJ9
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review of methods to prepare pyridines, pyridine-1-oxides, and pyridinium salts. Methods include cyclization, ring transformations, aromatization and substituent modification.
IT 41867-20-3 59938-06-6 244139-22-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyridines, pyridine-1-oxides and pyridinium salts via cyclization, ring transformations, aromatization and substituent modification)
RN 41867-20-3 HCAPLUS
CN 2-Butenoic acid, 3-amino-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

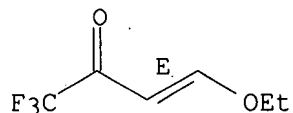


RN 59938-06-6 HCAPLUS
CN 3-Buten-2-one, 4-ethoxy-1,1,1-trifluoro-, (3E)- (CA INDEX NAME)

Updated Search

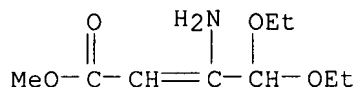
10547840

Double bond geometry as shown.



RN 244139-22-8 HCAPLUS

CN 2-Butenoic acid, 3-amino-4,4-diethoxy-, methyl ester (9CI) (CA INDEX NAME)

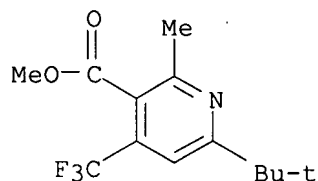


IT 178960-67-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of pyridines, pyridine-1-oxides and pyridinium salts via cyclization, ring transformations, aromatization and substituent modification)

RN 178960-67-3 HCAPLUS

CN 3-Pyridinecarboxylic acid, 6-(1,1-dimethylethyl)-2-methyl-4-(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)



L34 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:756694 HCAPLUS

DOCUMENT NUMBER: 141:277496

TITLE: Process for the preparation of substituted nicotinic acid esters

INVENTOR(S): Jackson, David Anthony; Bowden, Martin Charles

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078729	A1	20040916	WO 2004-EP2291	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				

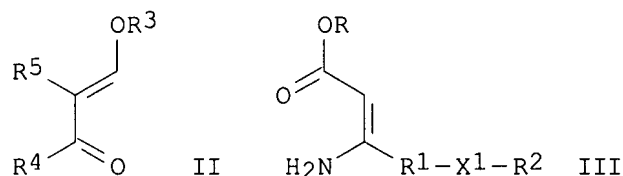
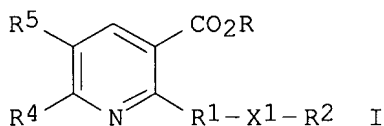
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

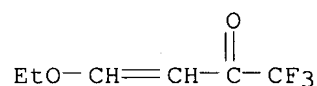
AU 2004218241	A1	20040916	AU 2004-218241	20040305
EP 1601653	A1	20051207	EP 2004-717574	20040305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1753872	A	20060329	CN 2004-80004908	20040305
BR 2004008160	A	20060411	BR 2004-8160	20040305
JP 2006519803	T	20060831	JP 2006-504564	20040305
US 2006199964	A1	20060907	US 2005-547840	20050906
IN 2005CN02175	A	20070831	IN 2005-CN2175	20050906
PRIORITY APPLN. INFO.:			CH 2003-373	A 20030307
			WO 2004-EP2291	W 20040305

OTHER SOURCE(S): MARPAT 141:277496
GI



AB A process for the preparation of substituted nicotinic acid esters I [R = alkyl; R1 = (un)substituted alkylene, alkenylene; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4 = haloalkyl; R5 = hydroxy, cycloalkyloxy, (alkoxy)alkoxy, etc.; X = O, OCO, CO2, etc.], which process comprises reacting a compound of formula II [R3 = (cyclo)alkyl, R4 and R4 are defined as above] with a compound of formula III (R, R1, R2 and X are defined as above) in an inert solvent in the presence of a proton source, is disclosed. For example, reaction of Et 3-oxo-4-methoxyethoxybutanoate with 1-ethoxy-3-oxo-4,4,4-trifluorobutene gave 2-methoxyethoxymethyl-3-ethoxycarbonyl-6-trifluoromethylpyridine in 62% yield. Thus, the present invention provides a novel process producing the title compound at reasonable cost, in good yield and with good quality.

IT 17129-06-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of nicotinic acid esters)
RN 17129-06-5 HCAPLUS
CN 3-Buten-2-one, 4-ethoxy-1,1,1-trifluoro- (CA INDEX NAME)



Updated Search

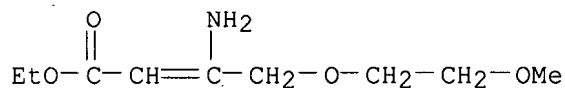
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IT 757218-50-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of nicotinic acid esters)

RN 757218-50-1 HCAPLUS

CN 2-Butenoic acid, 3-amino-4-(2-methoxyethoxy)-, ethyl ester (9CI) (CA INDEX NAME)

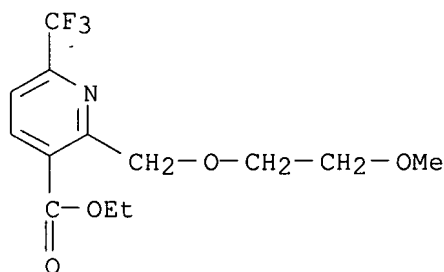


IT 757218-51-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of nicotinic acid esters)

RN 757218-51-2 HCAPLUS

CN 3-Pyridinecarboxylic acid, 2-[(2-methoxyethoxy)methyl]-6-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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10547840

printed between 1907-1966 are available in the PAGE display formats.

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FILE 'REGISTRY' ENTERED AT 19:44:00 ON 19 SEP 2007

L6 STRUCTURE UPLOADED
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FILE 'HCAPLUS' ENTERED AT 19:46:29 ON 19 SEP 2007

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FILE 'CASREACT' ENTERED AT 19:47:22 ON 19 SEP 2007

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L13 STRUCTURE UPLOADED
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FILE 'REGISTRY' ENTERED AT 19:55:58 ON 19 SEP 2007

L16 STRUCTURE UPLOADED
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L18 2340 S L16 FULL

FILE 'HCAPLUS' ENTERED AT 19:58:05 ON 19 SEP 2007

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FILE 'REGISTRY' ENTERED AT 19:58:11 ON 19 SEP 2007

L20 STRUCTURE UPLOADED
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FILE 'HCAPLUS' ENTERED AT 20:02:22 ON 19 SEP 2007

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L24 28 S L23 AND L19

FILE 'REGISTRY' ENTERED AT 20:02:41 ON 19 SEP 2007

L25 STRUCTURE UPLOADED

Updated Search

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L27 449 S L25 FULL

FILE 'HCAPLUS' ENTERED AT 20:04:46 ON 19 SEP 2007
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L29 18 S L28 AND L19

FILE 'REGISTRY' ENTERED AT 20:05:13 ON 19 SEP 2007
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FILE 'HCAPLUS' ENTERED AT 20:08:09 ON 19 SEP 2007
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L34 3 S L33 AND L29

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=> s 132 and 118
56 L32
4 L18
L35 0 L32 AND L18